

## Translation of Drawings

### FIG. 1

NONE;

### 5 FIG. 2

transistor N1;

transistor N2;

### FIG. 3 to FIG. 7

410 phase adjusting device;

### 10 FIG. 8

1 in case that initial offset is not applied;

2 in case that initial offset is applied;

VC clamp voltage;

VF forward-direction voltage of stray diode;

15 VK source voltage;

VA1 initial substrate potential in case that initial offset is not applied;

VA2 initial substrate potential in case that initial offset is applied;

VQ shift voltage by initial offset;

- substrate bias;

### 20 FIG. 9

NONE

### FIG. 10

412 counter;

414 latch;

25 420 adder;

a differential output (positive);

b differential output (negative);

c correction value;

### FIG. 11

30 432 adding-and-subtracting circuit;

434 latch;

420 adder;

a differential output (positive);

b differential output (negative);

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**FIG. 12**

- 442 counter;
- 424 latch;
- 5 420 adder;
- a differential output (positive);
- b differential output (negative);

**FIG. 13**

- 452 adding-and-subtracting circuit;
- 10 454 latch;
- 420 adder;
- a differential output (positive);
- b differential output (negative);

**FIG. 14**

- 15 462 counter;
- 463, 464 latch;
- 420, 354 adder;
- a differential output (positive);
- b differential output (negative);

**FIG. 15**

- 472 adding-and-subtracting circuit;
- 473, 474 latch;
- 420, 475 adder;
- a differential output (positive);
- 25 b differential output (negative);

**FIG. 16**

- 487 edge detecting circuit;
- 482 adding-and-subtracting circuit;
- 483, 484 latch;
- 30 420, 485 adder;
- a differential output (positive);
- b differential output (negative);

**FIG. 17**

492 counter;

494, 495 latch;

5 420, 496 adder;

a differential output (positive);

b differential output (negative);

**FIG. 18**

702 adding-and-subtracting circuit;

10 704, 705 latch;

420, 706 adder;

a differential output (positive);

b differential output (negative);

**FIG. 19**

15 712 counter;

713, 714 latch;

420, 717 adder;

a differential output (positive);

b differential output (negative);

20 **FIG. 20**

722 adding-and-subtracting circuit;

723, 724 latch;

420, 727 adder;

a differential output (positive);

25 b differential output (negative);

**FIG. 21**

732 counter;

733, 734 latch;

420, 735 adder;

30 421 subtracter;

a differential output (positive);

b differential output (negative);

**FIG. 22**

742 adding-and-subtracting circuit;

743, 744 latch;

5 420, 745 adder;

421 subtracter;

a differential output (positive);

b differential output (negative);

**FIG. 23**

10 752 counter;

754, 755 latch;

420, 756 adder;

421 subtracter;

a differential output (positive);

15 b differential output (negative);

**FIG. 24**

762 adding-and-subtracting circuit;

764, 765 latch;

420, 766 adder;

20 421 subtracter;

a differential output (positive);

b differential output (negative);